

## IP7142 Fixed Network Camera WDR • Outdoor • Day&Night

VIVOTEK IP7142 network camera features a WDR (Wide Dynamic Range) COMS sensor to cope with any challenging lighting conditions. This function enables IP7142 to be largely applied in highly contrast environments such as lobby entrances, parking lots, ATM, loading areas and much more.

The WDR feature captures both of the dark part and bright part and combining the differences into a scene to generate a highly realistic image as original scene. Therefore, IP7142 can provide video quality closer to the capabilities of the human eye. The day and night function and the IP66-rated integrated housing of IP7142 enable users to easily build up a cost-effective IP surveillance system without additional accessories. Incorporating an IR-cut filter that can be removed automatically at night and built-in IR illuminators with coverage for up to 15 meters, IP7142 is an outstanding 24-hour surveillance solution. Meanwhile, the IP66-rated integrated housing shields this camera from dust and water, allowing it to be applied in harsh weather conditions of outdoor environments.

Other advanced features of IP7142 include simultaneous dual streams, 3GPP mobile surveillance, 802.3af compliant PoE, two-way audio by SIP protocol, RS-485 interface for scanners or pan/tilts driver connection, and HTTPS encrypted data transmission.

## Features

- > Wide Dynamic Range CMOS Sensor
- > 3.3~12mm Vari-focal Board Lens
- > Removable IR-cut Filter for Day & Night Function

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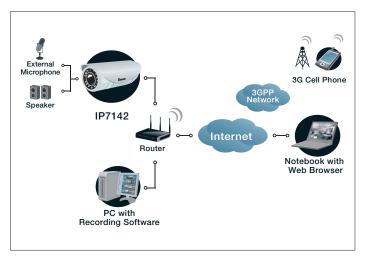
- > Built-in IR Illuminators, effective up to 15 Meters
- > Weather-proof IP66-rated Housing
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Supports Dual Streams Simultaneously
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > Digital I/O for External Sensor and Alarm
- > RS-485 Interface for Scanners, Pan/Tilts

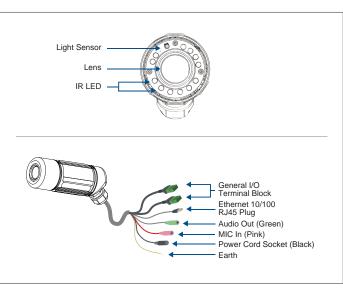
## Specifications

|                               | · CPU: VVTK-1000 SoC   |
|-------------------------------|--|
| System                        | <ul> <li>Flash: 8MB</li> <li>RAM: 64MB</li> <li>Embedded OS: Linux 2.4</li> </ul>  |
| Lens                          | Board lens, vari-focal, f=3.3 ~ 12 mm,   |
| Lens                          | F1.4 (wide), F2.9 (tele), focus range: 50 cm to infinity   |
|                               | · Removable IR-cut filter for day & night function   |
| Angle of View                 | · 23.9° ~ 89.8° (horizontal)<br>· 17.9° ~ 63.6° (vertical)   |
| Shutter Time                  | · 1/30 sec. to 1/15000 sec.  |
| Image Sensor                  | • 1/3.3" Wide Dynamic Range CMOS sensor<br>in 720x480 resolution   |
| Minimum<br>Illumination       | · 0.68 Lux / F1.4<br>· 0 Lux / F1.4 (IR LED on)  |
| IR Illuminators               | <ul> <li>IR LED x 12 (850 nm)</li> <li>Effective up to 15 meters</li> </ul>  |
| Video                         | <ul> <li>Compression: MJPEG &amp; MPEG-4</li> <li>Streaming:<br/>Simultaneous dual-streaming<br/>MPEG-4 streaming over UDP, TCP, or HTTP<br/>MPEG-4 multicast streaming<br/>MJPEG streaming over HTTP</li> <li>Supports 3GPP mobile surveillance</li> <li>Frame rates:<br/>MPEG-4: Up to 25 fps at 720x480<br/>MJPEG: Up to 25 fps at 720x480</li> </ul> |
| Image Settings                | <ul> <li>Adjustable image size, quality, and bit rate</li> <li>Time stamp and text caption overlay</li> <li>Flip &amp; mirror</li> <li>Configurable brightness, contrast, saturation, and hue</li> <li>AGC, AWB, AEC (Automatic Exposure Control), WDR</li> <li>Automatic or manual day/night mode</li> <li>Supports privacy masks</li> </ul>            |
| Audio                         | <ul> <li>Compression:<br/>GSM-AMR speech encoding, bit rate:<br/>4.75 kbps to 12.2 kbps<br/>MPEG-4 AAC audio encoding, bit rate:<br/>16 kbps to 128 kbps</li> <li>Interface:<br/>External microphone input<br/>Audio output</li> <li>Supports two-way audio via SIP protocol</li> <li>Supports audio mute</li> </ul>                                     |
| Networking                    | <ul> <li>10/100 Mbps Ethernet, RJ-45</li> <li>Protocols: IPv4, TCP/IP, HTTP, UPnP, RTSP/<br/>RTP/RTCP, IGMP,SMTP, FTP, DHCP, NTP,<br/>DNS, DDNS, and PPPoE</li> </ul>  |
| Alarm and<br>Event Management | <ul> <li>Triple-window video motion detection</li> <li>One D/I and one D/O for external sensor and alarm</li> <li>Event notification using HTTP, SMTP, or FTP</li> <li>Local recording of MP4 file</li> </ul>  |
| Security                      | Muilti-level user access with password protection     IP address filtering   |
| Users                         | · Camera live viewing for up to 10 clients   |
| Dimension                     | · Ø 70 mm x 182 mm   |
| Weight                        | • Net: 969 g   |
| LED Indicator                 | · System restore status indicator  |
| Power                         | <ul> <li>12V DC</li> <li>24V AC</li> <li>Power consumption: Max. 6 W</li> <li>802.3af compliant Power-over-Ethernet</li> </ul>   |

| Housing                                      | · Weather-proof IP66-rated housing  |
|--|---|
| Approvals                                    | · CE, LVD, FCC, VCCI, C-Tick  |
| Operating Environments                       | <ul> <li>Temperature: -20 ~ 60 °C (-4 ~ 140 °F)</li> <li>Humidity: 20% ~ 80% RH</li> </ul>  |
| Viewing System<br>Requirements               | <ul> <li>OS: Microsoft Windows 2000/XP/Vista</li> <li>Browser: Internet Explorer 6.x or above</li> <li>Cell phone: 3GPP player</li> <li>Real Player: 10.5 or above</li> <li>Quick Time: 6.5 or above</li> </ul> |
| Installation, Management,<br>and Maintenance | <ul> <li>Installation Wizard 2</li> <li>16-CH recording software</li> <li>Supports firmware upgrade</li> </ul>  |
| Applications                                 | SDK available for application development and system integration  |
| Warranty                                     | · 24 months   |

System Overview





External View

All specifications are subject to change without notice. Copyright@2009 VIVOTEK INC. All rights reserved.



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